

(i) said transmitter transmits synchronization information including an assignment of  $n$  transmission fixed periodic time slots, where  $n$  is an integer greater than 1, and  $n$  reception fixed periodic time slots on a selected frequency;

(ii) said radio transceives a duplex telephonic communication with the plurality of stations on the selected frequency wherein:

(a) said transmitter transmits TX speech information to each of the plurality of stations in a respective one of the  $n$  transmission time slots on the selected frequency; and

(b) said receiver receives RX speech information from each of the plurality of stations in one of the  $n$  reception time slots on the selected frequency; and  
the plurality of stations including:

a base station receiving from the primary station the TX speech information originated from a secondary station in said respective transmission time slot and transmitting the RX speech information in said respective reception time slot; and

the secondary station having:

(i) a radio receiver which receives the synchronization information from the primary station and identifies the assignment of time slots and which receives from the primary station the TX speech information originating from the base station in said respective transmission time slot; and

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(ii) a radio transmitter which transmits the RX speech information in said respective reception time slot; and

wherein using the primary station for transmissions between the base station and secondary station is transparent to the base station and secondary station, and the primary station and the secondary station itself detects a frame timing from received signals and aligns its transmitting frame timing accordingly.

SUB 92

15. (Four Times Amended) A telecommunication station for communicating with a base station and a secondary station using wireless transmissions, the station comprising:  
a transmitter which:

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(i) transmits synchronization information including the assignment of  $2n$  fixed periodic time slots, where  $n$  is an integer greater than 1, on a selected frequency,  $n$  fixed periodic transmit time slots for transmission from said telecommunication station and  $n$  fixed periodic reception time slots for reception by said telecommunication station; and

(ii) transmits TX information to the base station and the secondary station on the selected frequency in respective ones of said  $n$  assigned transmit slots; and

a receiver which receives RX information from the base station and the secondary station on the selected frequency in respective ones of said  $n$  assigned reception slots; and

wherein using the telecommunication station for communications between the base station and secondary station is transparent to the base station and secondary station, and the

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primary station and the secondary station itself detects a frame timing from received signals and aligns its transmitting frame timing accordingly.

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SUB 3

19. (Four Times Amended) A telecommunication station for communicating with a base station and a secondary station using wireless transmissions, the telecommunication station comprising:

a transmitter which:

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(i) transmits synchronization information including the assignment of fixed periodic time slots on a selected frequency, at least two fixed periodic transmit time slots for transmission from said telecommunication station and at least two fixed periodic reception time slots for reception by said telecommunication station; and

(ii) transmits a signal carrying information received from the base station on the selected frequency in a first assigned transmit slot and carrying information received from the secondary station on the selected frequency in a second assigned transmit slot; and

a receiver which:

(i) receives the information transmitted from the base station on the selected frequency in a first assigned reception slot; and

(ii) receives the information transmitted from the secondary station on the selected frequency in a second assigned reception slot; and

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**Application No.:** 09/356,845

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wherein using the telecommunication station for communications between the base station and secondary station is transparent to the base station and secondary station, and the primary station and the secondary station itself detects a frame timing from received signals and aligns its transmitting frame timing accordingly.

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### REMARKS

The revisions to the claims were made to correct errors of a typographical nature. In the Office Action, the Examiner rejected all of the pending claims, claims 11, 13-23, 25-27 and 29-30 under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 5,879,581 (Schlosser et al.). Applicants respectfully traverses the rejection based on the following.

Schlosser et al. discloses a spacecraft which communicates with a plurality of data terminals. The Schlosser system uses a wide band signal divided into timeslots for communicating with the data terminals, as shown as Figures 2a-2f. Each data terminal is assigned a timeslot for its uplink and downlink communications as described in Schlosser et al. at column 4, lines 13-18 as well as in other places. Essentially, the spacecraft in Schlosser et al. is acting similar to a base station in a typical terrestrial wireless system.

In the Office Action, the spacecraft is equated to the primary station of claim 1 or the telecommunication station of claims 15 and 19 and their dependent claims. However, the spacecraft in Schlosser et al. is closer to the base stations recited in those claims and is not similar to the primary station. As is well known in the art, a base station wirelessly